

South Dakota

CHEMICAL USAGE

News Release

May 19, 2000

1999 CORN, SOYBEAN, AND SUNFLOWER CHEMICAL USAGE

SIoux FALLS, May 19, 2000 – Nitrogen was applied to 98 percent of South Dakota's 3.60 million corn acres in 1999, according to the USDA's South Dakota Agricultural Statistics Service. South Dakota growers averaged 1.5 nitrogen applications at the rate of 60 pounds per acre. Phosphate was applied to 88 percent of the acreage at the rate of 37 pounds per acre and potash to 49 percent at the rate of 24 pounds per acre.

Herbicide was applied to 95 percent of the South Dakota corn acreage, while insecticide was applied to 18 percent. Atrazine was the most popular herbicide, treating 42 percent of the acres at the rate of 0.69 pounds per acre. Acetochlor (Harness) was the second leading herbicide, treating 30 percent at the rate of 1.55 pounds per acre.

Nitrogen was applied to 47 percent of South Dakota's 4.10 million soybeans acres. Growers averaged 1.0 applications at the rate of 20 pounds per acre. Phosphate was also applied to 47 percent of the acreage at the rate of 45 pounds per acre and potash to 19 percent at the rate of 27 pounds per acre.

Herbicide was applied to 98 percent of the South Dakota soybean acreage. Glyphosate (Roundup) was the most popular herbicide, treating 55 percent of the acres at a rate of 0.71 pounds per acre. Imazethapyr (Pursuit) was the second leading herbicide treating 33 percent at the rate of 0.02 pounds per acre.

Nitrogen was applied to 78 percent of South Dakota's 920,000 sunflower acres. Growers averaged 1.4 applications at the rate of 40 pounds per acre. Phosphate was applied to 41 percent of the acreage at the rate of 33 pounds per acre.

Herbicide was applied to 93 percent of South Dakota's sunflower acreage, while insecticide was applied to 46 percent. Trifluralin (Treflan) was the most popular herbicide, treating 46 percent of the acres at the rate of 0.93 pounds per acre. Esfenvalerate (Asana) was the leading insecticide, treating 33 percent of the acres at a rate of 0.02 pounds per acre.

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